

## **6. NOTES.**

(This section contains information of a general or explanatory nature, which may be helpful, but is not mandatory.)

### **6.1 Government furnished property.**

The contracting officer should arrange to furnish the property listed in 3.1.1 and 3.8.5 in accordance with the contract.

### **6.2 Acquisition requirements.**

Acquisition documents should specify the following:

- a. Title, number, and date of this specification.
- b. The specific issue of individual documents referenced (see 2.)
- c. For fixed site systems, the type and quantity of manned modules and workstations/consoles to be delivered (see 3.1.2).
- d. For mobile systems, the type (M1A1, M2A2/M3A2, DI, OC, M1 PPS, or M2 PPS) and quantity of semitrailers to be delivered (see 3.1.2 and 3.8).
- e. The type and extent of additions or modifications allowed to government furnished application software, if any.
- f. Whether a ~~F~~first ~~A~~article test is required.
- g. The CCTT terrain databases to be used for testing.
- h. The STRUCCTT scenarios to be executed for system level conformance testing, and requirements for correction of priority 3 through 5 PTRs.-
- i. Packaging requirements.

### **6.3 Definitions.**

Definitions shall be in accordance with the following:

#### **6.3.1 Interface equipment definition.**

Interface equipment is that equipment which controls, transmits, encodes, decodes, converts, receives, or buffers analog, digital, or discrete information passing between the trainer computers and the trainee stations, supervisor stations, and any other simulation hardware. The interface equipment includes digital-to-discrete, discrete-to-digital, selection switching, and logic signal level converters.

### 6.3.2 Scheduled maintenance.

Scheduled maintenance is defined as those tasks performed at predetermined time intervals in accordance with approved maintenance documentation prepared by the contractor to ensure continuing satisfactory operation of equipment; also "planned maintenance".

### 6.3.3 Operational Mode Summary/Mission Profile (OMS/MP) and Failure Definition and Scoring Criteria (FD/SC).

See Appendix B

### 6.3.4 Acronyms.

|                             |   |
|-----------------------------|---|
| AAR                         | After Action Review   |
| AAWS-M                      | Anti-Armor Weapon System - Medium                           |
| <del>AC</del>               | <del>Alternating Current</del>                              |
| ACE                         | Armored Combat Earthmover                                   |
| <del>ADATS</del>            | <del>Air Defense Anti-Tank System</del>                     |
| AFATDS                      | Adv <del>anced</del> Field Artillery Tactical Data System   |
| AFOV                        | Apparent field of view                                      |
| ALOC                        | Administrative Logistics Center                             |
| <del>AMSAA</del>            | <del>Army Materiel Systems Analysis Activity</del>          |
| <del>ANCOC AR</del>         | <del>Advanced Non-Commissioned Officer Course - Armor</del> |
| <del>ANCOC SCT</del>        | <del>Advanced Non-Commissioned Officer Course - Scout</del> |
| ANSI                        | American National Standards Institute                       |
| <del>AOAC</del>             | <del>Army Officer Advanced Course</del>                     |
| <del>AOBC</del>             | <del>Army Officer Basic Course</del>                        |
| APC                         | Armor Personnel Carrier                                     |
| <del>APDS</del>             | <del>Armor Piercing Discarding SABOT</del>                  |
| <del>APDS-T</del>           | <del>Armor Piercing Discarding Sabot w/ Tracer</del>        |
| APFSDS                      | Armor-Piercing Fin-Stabilized Disc. SABOT                   |
| <del>APICM</del>            | <del>Anti Personnel Imprvd. Cnvtnl. Munitions</del>         |
| ARTEP                       | Army Training Evaluation Program                            |
| <del>ASA</del>              | <del>Acoustical Society of America</del>                    |
| ASTM                        | American Society for Testing and Materials                  |
| <del>AVCATT</del>           | <del>Aviation Combined Arms Tactical Trainer</del>          |
| <del>ATACMS</del>           | <del>Advanced Tactical Missile System</del>                 |
| <del>ATCCS</del>            | <del>Army Tactical Command and Control System</del>         |
| <del>AVLB</del>             | <del>Armored Vehicle Launched Bridge</del>                  |
| <br>                        |   |
| <del>BCC</del>              | <del>Bradley Commander Course</del>                         |
| BFV                         | Bradley Fighting Vehicle                                    |
| <del>BFV MG CS Course</del> | <del>Bradley Fighting Vehicle Master Gunner Course</del>    |
| BIT                         | Built-In-Test   |
| BLUFOR                      | U.S. friendly, and/or supporting forces                     |

|                  |   |
|------------------|---|
| <u>BNCOC</u>     | <u>Basic Non-Commissioned Officer Course</u>  |
| BTU              | British Thermal Unit                          |
| <u>CA</u>        | <u>Chargeable to Accident</u>                 |
| <u>CAGE</u>      | <u>Contractor and Government Entity</u>       |
| <del>Cal</del>   | <del>Caliber</del>                            |
| CAS              | Close Air Support                             |
| <u>CC</u>        | <u>Chargeable to Crew</u>                     |
| CCHA             | Commander's Control Handle Assembly           |
| CCP              | Computer Control Panel                        |
| CCTT             | Close Combat Tactical Trainer                 |
| CES              | Combat Engineering Support                    |
| CEU              | Computer Electronics Unit                     |
| CEV              | Combat Engineer Vehicle                       |
| <u>CFC</u>       | <u>Chloroflouorocarbons</u>                   |
| CFR              | Code of Federal Regulation                    |
| <u>CFX</u>       | <u>Command Field Exercise</u>                 |
| <u>CGF</u>       | <u>Computer Generated Forces</u>              |
| <u>CH</u>        | <u>Chargeable to Hardware</u>                 |
| <u>CID</u>       | <u>Commander's Integrated Display</u>         |
| <u>CIS</u>       | <u>Combat Instruction Set</u>                 |
| CITV             | Commander's Independent Thermal Viewer        |
| <del>CLAMS</del> | <del>Cleared Lane Marking System</del>        |
| <del>CLS</del>   | <del>Contractor Logistic Support</del>        |
| cm               | Centimeter                                    |
| <u>CO</u>        | <u>Chargeable to Operator</u>                 |
| <del>COTS</del>  | <del>Commercial Off-The-Shelf</del>           |
| CPH              | Commander's Popped Hatch                      |
| <u>CRT</u>       | <u>Cathode Ray Tube</u>                       |
| <u>CSE</u>       | <u>Chargeable to Support Equipment</u>        |
| CSS              | Combat Service Support                        |
| CTCP             | Combat Trains Command Post                    |
| CVC              | Combat Vehicle Crewman's Helmet               |
| <u>CWS</u>       | <u>Commander's Weapons Station</u>            |
| DAG              | Division Artillery Group                      |
| <u>DAP</u>       | <u>Driver's Auxiliary Panel</u>               |
| <del>dB</del>    | Decibels                                      |
| <u>DC</u>        | <u>Direct Current</u>                         |
| DI               | Dismounted Infantry                           |
| <u>DID</u>       | <u>Driver's Integrated Display</u>            |
| <u>DIP</u>       | <u>Driver's Instrument Panel</u>              |
| <del>DIS</del>   | <del>Distributed Interactive Simulation</del> |
| DMA              | Defense Mapping Agency                        |
| <u>DMP</u>       | <u>Driver's Master Panel</u>                  |

|                   |  |
|-------------------|--|
| <del>DMD</del>    | <del>Digital Message Device</del>                        |
| DOD               | Department of Defense                                    |
| DOT               | Department of Transportation                             |
| DPICM             | Dual-Purpose Imprvd. Chvntnl. Munitions                  |
| DRA               | Dead Reckoning Algorithms                                |
| DTV               | Direct Thermal Viewer                                    |
| <del>ECAC</del>   | <del>Electromagnetic Compatibility Analysis Center</del> |
| ECCM              | Electronic Counter-Countermeasures                       |
| ECM               | Electronic Countermeasures                               |
| ECS               | Environmental Control System                             |
| <del>ECU</del>    | <del>Environmental Control Unit</del>                    |
| EIU               | External Interface Unit                                  |
| EME               | Electromagnetic Environment                              |
| EMI               | Electromagnetic Interference                             |
| EPA               | Environmental Protection Agency                          |
| <del>FA</del>     | <del>First Article</del>                                 |
| <del>FAADS</del>  | <del>Forward Area Air Defense Systems</del>              |
| FABTOC            | Field Artillery Battalion Tactical OC                    |
| FD                | Failure Definition                                       |
| FDC               | Fire Direction Center                                    |
| <del>FDDI</del>   | <del>Fiber Distributed Data Interface</del>              |
| FD/SC             | Failure Definition and Scoring Criteria                  |
| <del>FED</del>    | <del>Forward Entry Device</del>                          |
| FH                | Frequency hopping  |
| <del>FIST-V</del> | <del>Fire Support Team Vehicle</del>                     |
| FL                | Fault detection and Locating                             |
| <del>FLIR</del>   | <del>Forward Looking Infra-Red</del>                     |
| FO                | Forward Observer   |
| FOV               | Field-Of-View  |
| <del>FRAGO</del>  | <del>Fragmentary Order</del>                             |
| FSE               | Fire Support Element                                     |
| <del>GAS</del>    | <del>Gunner's Auxiliary Sight</del>                      |
| GCDP              | Gunner's Control and Display Panel                       |
| GCH               | Gunner's Power Control Handle                            |
| GCHA              | Gunner's Control Handle Assembly                         |
| <del>GFCI</del>   | <del>Ground Fault Circuit Interrupter</del>              |
| GFE               | Government-Furnished Equipment                           |
| <del>GLD</del>    | <del>Ground Laser Designator</del>                       |
| GLLD              | Ground Laser Locator Designator                          |
| GPS               | Gunner's Primary Sight                                   |
| GPSE              | Commander's GPS extension                                |

|                 |   |
|-----------------|---|
| <u>GTD</u>      | <u>Gun/Turret Drive Electronics</u>                   |
| GVW             | Gross Vehicle Weight                                  |
| HEI-T           | High-Explosive Incendiary with Tracer                 |
| HEMTT           | Heavy Expanded Mobility Tactical Trucks               |
| <u>HFE</u>      | <u>Human Factors Engineering</u>                      |
| HMMWV           | High Mobility Multipurpose Wheeled Vehicle            |
| <u>HOPSET</u>   | <u>Frequency Hopping Mode</u>                         |
| <u>HWCI</u>     | <u>Hardware Configuration Item</u>                    |
| Hz              | Hertz   |
| IAW             | In Accordance With                                    |
| ICU             | Image Control Unit                                    |
| ICWS            | Improved Commander's Weapon Station                   |
| IEEE            | Institute of Electrical & Electronics Engineers       |
| IG              | Image Generator                                       |
| <u>I/O</u>      | <u>Input and Output</u>                               |
| IPU             | Internal Processing Units                             |
| ISU             | Integrated Sight Unit                                 |
| <u>IVIS</u>     | <u>Inter-Vehicular Information System</u>             |
| <u>Kg</u>       | <u>Kilogram</u>                                       |
| <u>Km</u>       | <u>Kilometer</u>                                      |
| <u>KPH</u>      | <u>Kilometers per Hour</u>                            |
| LAN             | Local Area Network                                    |
| LD/R            | Laser Designator/Rangefinder                          |
| <u>LOS</u>      | <u>Line of Sight</u> <del>LHN Long-Haul Network</del> |
| LOSAT           | Line of Sight Anti-Tank                               |
| <u>LP</u>       | <u>Loader's Panel</u>                                 |
| LRF             | Laser Range Finder                                    |
| LRU             | Lowest Replaceable Unit                               |
| <u>m</u>        | <u>Meter</u>  |
| <u>MATES</u>    | <u>Maintenance Activity Training Equipment Sites</u>  |
| <u>Mb</u>       | <u>Megabytes</u>                                      |
| <u>MBC</u>      | <u>Mortar Ballistics Computer</u>                     |
| MC              | Maintenance Console                                   |
| MCC             | Master Control Console                                |
| <u>MEF</u>      | <u>Mission Essential Function</u>                     |
| <u>mMCLIC</u>   | <u>Mine-Clearing Line Charge</u>                      |
| <del>m</del> in | Minute  |
| MLRS            | Multiple Launch Rocket System                         |
| mm              | Millimeters   |

|                                       |  |
|---------------------------------------|--|
| <del>MMBF</del>                       | <del>Mean Miles Before Failure</del>                     |
|                                       | <del>Maximum Repair Time</del>                           |
| MOS                                   | Military Occupation Specialty                            |
| <del>MP</del>                         | <del>Mission Profile</del>                               |
| <del>MPIM</del>                       | <del>Multi Purpose Individual Munitions</del>            |
| <del>MRS</del>                        | <del>Muzzle Reference Sensor</del>                       |
| <del>MTA's Major Training Areas</del> |  |
| <del>MTF</del>                        | <del>Modulation Transfer Function</del>                  |
| <del>MTL</del>                        | <del>Mission Training List</del>                         |
| <del>MTP</del>                        | <del>Mission Training Plan</del>                         |
| MTTR                                  | Mean-Time-To-Repair                                      |
| <del>N/A</del>                        | <del>Not Applicable</del>                                |
| <del>NBC</del>                        | <del>Nuclear, Biological and Chemical</del>              |
| NFPA                                  | National Fire Protection Association                     |
| NIOSH                                 | National Inst. of Occupational Safety & Health           |
| <del>NLOS-F</del>                     | <del>Non Line Of Sight - Forward</del>                   |
| NVV                                   | Night Vision Viewer                                      |
| OC                                    | Operation Center   |
| <del>OCONUS</del>                     | <del>Outside the Continental United States</del>         |
| OLP                                   | Optical Line Pair  |
| <del>OMF</del>                        | <del>Operational Mission Failure</del>                   |
| <del>OMS/MP</del>                     | <del>Operational Mode Summary/Mission Profile</del>      |
| OPFOR                                 | Opposing Force   |
| OSHA                                  | Occupational Safety & Health Agency                      |
| P <sup>3</sup> I                      | Preplanned Product Improvement                           |
| <del>PCC</del>                        | <del>Precommand Course</del>                             |
| PCO                                   | Procuring Contracting Officer                            |
| PCU                                   | Power Control Unit                                       |
| PDU                                   | Protocol Data Unit                                       |
| PEL                                   | Permissible Exposure Limit                               |
| PM                                    | Performance Monitoring                                   |
| PPE                                   | Personal protective equipment                            |
| <del>PPM</del>                        | <del>Parts Per Million</del>                             |
| PPS                                   | Portable Power System                                    |
| <del>PS</del>                         | <del>Personnel Support</del>                             |
| PVC                                   | Polyvinylchloride  |
| PVD                                   | Plan View Display  |
| RAG                                   | Regimental Artillery Group                               |
| <del>RAM</del>                        | <del>Reliability, Availability and Maintainability</del> |

|                    |   |
|--------------------|---|
| RC                 | Reserve Component   |
| REL                | Recommended Exposure Limits                                 |
| <del>RMS</del>     | <del>Root Mean Square</del>                                 |
| <del>RF</del>      | <del>Radio Frequency</del>                                  |
| <del>RIU</del>     | <del>Radio Interface Unit</del>                             |
| RPM                | Revolutions Per Minute                                      |
| <del>SADARM</del>  | <del>Sense And Destroy Armor</del>                          |
| SAE                | Society of Automotive Engineers                             |
| SAF                | Semi-Automated Forces                                       |
| SAW                | Squad Automatic Weapon                                      |
| <del>SC</del>      | <del>Single Channel</del>                                   |
| <del>SHORAD</del>  | <del>Short Ranged Air Defense</del>                         |
| SINCGARS           | Single Channel Grnd. & Airborne Radio Sys.                  |
| <del>SOA</del>     | <del>Safe Operating Area</del>                              |
| STRICOM            | Simulation, Training and Instrumentation Command            |
| <del>TAC</del>     | <del>Tactical Air Command</del>                             |
| TACMS              | Tactical Missile System                                     |
| TACP               | Tactical Air Control Party                                  |
| <del>TCCAT</del>   | <del>Third Class Combined Arms Training</del>               |
| TCH                | Commander's power control handle                            |
| TEU                | Thermal Imaging Control Unit                                |
| <del>TIREM</del>   | <del>Terrain Integrated Rough Earth Model</del>             |
| <del>TGW</del>     | <del>Terminal Guidance Warhead</del>                        |
| TIS                | Thermal Imaging System                                      |
| TLV                | Threshold limit values                                      |
| TOC                | Tactical Operations Center                                  |
| TOW                | Tube launched, Optically Wired-Guided                       |
| TRA                | Tire and Rim Association                                    |
| TRU                | Thermal Receiving Unit                                      |
| TSCD               | Targeting Station Control Device                            |
| TSHR               | Trainer System Hardware Resource                            |
| TSPR               | Trainer System Processing Resource                          |
| <del>UI</del>      | <del>User Interface</del>                                   |
| UL                 | Underwriters Laboratories                                   |
| UMCP               | Unit Maintenance Collection Point                           |
| <del>USAIS</del>   | <del>United States Army Infantry School</del>               |
| <del>USAR</del>    | <del>United States Army Reserve</del>                       |
| <del>USAARMS</del> | <del>United States Army Armament and Munitions School</del> |

|                 |  |
|-----------------|--|
| <del>UTES</del> | <del>Unit Training Equipment Sites</del> |
| UTM             | Universal Traverse Mercator              |

|                |                                       |
|----------------|---------------------------------------|
| <del>V</del>   | <del>Volts</del>                      |
| <del>VAC</del> | <del>Volts, Alternating Current</del> |
| VDC            | Volts, Direct Current                 |

#### **6.4 Changes from previous issue.**

The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

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|                |                              |
|----------------|------------------------------|
| <del>WIA</del> | <del>Wounded in Action</del> |
| WP             | White Phosphorous            |